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PTO/SB/21 (04-04)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/977,506	
	Filing Date	Oct. 12, 2001	
	First Named Inventor	Steven Anthony George Ruff	
	Art Unit	3636	
	Examiner Name	Rodney Barnett White	
Total Number of Pages in This Submission		Attorney Docket Number	FORRE 58632

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CERTIFICATE OF CORRECTION

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	FULWIDER PATTON LEE & UTECHT, LLP		
	Customer No. 24201		
Signature	<i>David G. Parkhurst</i>		
Date	February 2, 2005		

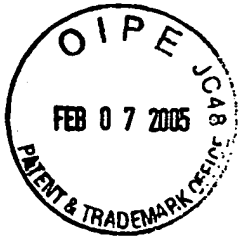
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Signature	<i>David G. Parkhurst</i>	Date	February 2, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEB 15 2005



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

STEVEN ANTHONY GEORGE RUFF
ET AL,

Patent No.: 6,820,931 B2

Issued: November 23, 2004

Serial No: 09/977,506

Filed: October 12, 2001

For: ENERGY ABSORBER

Examiner: Rodney B. White

Group Art Unit: 3636

Client ID/Matter No: FORRE 58632

February 2, 2005

Los Angeles, California 90045

REQUEST FOR CERTIFICATE OF CORRECTION

Certificate of Correction Department
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The above-identified patent has been found to have the errors set forth in the enclosed Certificate of Correction. It is requested that this Certificate of Correction be issued and returned to us. Since the errors occurred in the final printing phase of the patent, no fee is enclosed. However, should the Office determine that a fee is required, please charge our Deposit Account No. 06-2425.

The errors are verifiable in the patent application file as follows:

ERROR

Column 9, line 27, delete "wherein" and insert --whereby--.

Column 9, line 31, delete "s id" and insert --said--.

Column 9, line 53, after "secured to the" insert --first part--.

Column 9, line 58, delete "aid" and insert --said--.

Column 9, line 59, delete "do gate" and insert --elongate--.

Column 10, line 20, delete "nd" and insert --and--.

Column 10, Line 27, delete "an rotatable" and insert --and rotatable--.

APPLICATION FILE

Response after Final Rejection dated November 20, 2003. See Attachment A, page 2.

Response after Final Rejection dated November 20, 2003. See Attachment A, page 2.

Response after Final Rejection dated November 20, 2003. See Attachment A, page 3.

Response after Final Rejection dated November 20, 2003. See Attachment A, page 3.

Response after Final Rejection dated November 20, 2003. See Attachment A, page 3.

Response after Final Rejection dated November 20, 2003. See Attachment A, page 4.

Response after Final Rejection dated November 20, 2003. See Attachment A, page 4.

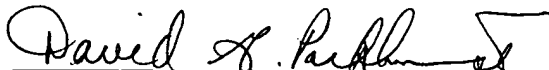
We respectfully request that this Certificate of Correction be expeditiously issued since the errors reported herein were incurred through the fault of the United States Patent and Trademark Office.

Attached hereto, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

A duplicate of this document is attached.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By: 
David G. Parkhurst
Registration No. 29,422

DGP:ck
Enclosures

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78364.1

IN THE CLAIMS:

Claim 1. (Cancelled)

Claim 3. (Currently amended) ~~An energy absorber according to claim 1~~ An energy absorber for absorbing energy of a vehicle or component of a vehicle or occupant of the vehicle in a crash situation so as to allow relatively gradual deceleration of the vehicle, component or occupant, the energy absorber including a first part, a second part and an elongate deformable member secured to the first part and extending through a deforming arrangement carried by the second part, whereby said elongate deformable member normally acts as a tie between said first part and said second part but wherein the arrangement is such that, when the force acting between said first part and said second part in a predetermined direction exceeds a predetermined amount, said elongate deformable member is thereby forced progressively through said deforming arrangement as the distance between said first part and said second part changes and the deformable member is thereby forced to undergo plastic deformation, whereby energy is absorbed, and wherein said deforming arrangement is such as to effect such plastic deformation substantially without changing the material cross sectional area of the deformable member, and wherein said deforming arrangement includes at least one roller, bearing on said elongate deformable member and rotatable about an axis transverse to the direction of elongation of the deformable member, and further includes an opposing member and

wherein a flattened portion of said elongate deformable member extends between said roller and said opposing member.

Claim 4. (Currently amended) ~~An energy absorber according to claim 1~~ An energy absorber for absorbing energy of a vehicle or component of a vehicle or occupant of the vehicle in a crash situation so as to allow relatively gradual deceleration of the vehicle, component or occupant, the energy absorber including a first part, a second part and an elongate deformable member secured to the first part and extending through a deforming arrangement carried by the second part, whereby said elongate deformable member normally acts as a tie between said first part and said second part but wherein the arrangement is such that, when the force acting between said first part and said second part in a predetermined direction exceeds a predetermined amount, said elongate deformable member is thereby forced progressively through said deforming arrangement as the distance between said first part and said second part changes and the deformable member is thereby forced to undergo plastic deformation, whereby energy is absorbed, and wherein said deforming arrangement is such as to effect such plastic deformation substantially without changing the material cross sectional area of the deformable member, and wherein said deforming arrangement includes a pair of rollers rotatable about respective axes transverse to the direction of elongation of the deformable member and wherein a flattened portion of said elongate deformable member extends between said rollers.

Claim 5. (Previously presented) An energy absorber for absorbing energy of a vehicle or component of a vehicle or occupant of the vehicle in a crash situation so as to allow relatively gradual deceleration of the vehicle, component or occupant, the energy absorber including a first part, a second part and an elongate deformable member secured to the first part and extending through a deforming arrangement carried by the second part, whereby said elongate deformable member normally acts as a tie between said first part and said second part but wherein the arrangement is such that, when the force acting between said first part and said second part in a predetermined direction exceeds a predetermined amount, said elongate deformable member is thereby forced progressively through said deforming arrangement as the distance between said first part and said second part changes and the deformable member is thereby forced to undergo plastic deformation, whereby energy is absorbed, and wherein said deforming arrangement is such as to effect such plastic deformation substantially without changing the material cross sectional area of the deformable member, wherein said deforming arrangement includes at least one roller, bearing on said elongate deformable member and rotatable about an axis transverse to the direction of elongation of the deformable member, and further includes an opposing member and wherein a flattened portion of said elongate deformable member extends between said roller and said opposing member, and wherein the spacing of said roller from said opposing member is adjustable to adjust the extent to which the elongate member is flattened in passing through said deforming arrangement and thus to adjust the rate of energy absorption in operation.

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,820,931 B2

DATED : November 23, 2004

INVENTOR(S) : Steven Anthony George Ruff; Graham Philip Hartnell

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9,

Line 27, delete "wherein" and insert --whereby--.

Line 31, delete "s id" and insert --said--.

Line 53, after "secured to the" insert --first part--.

Line 58, delete "aid" and insert --said--.

Line 59, delete "do gate" and insert --elongate--.

Column 10,

Line 20, delete "nd" and insert --and--.

Line 27, delete "an rotatable" and insert --and rotatable--.

MAILING ADDRESS OF SENDER:

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PATENT NO. 6,820,931 B2

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Page 1 of 1

This collection of information is required by 37 CFR 1.322 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief of Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450